

## PIEZOELECTRIC BUZZER

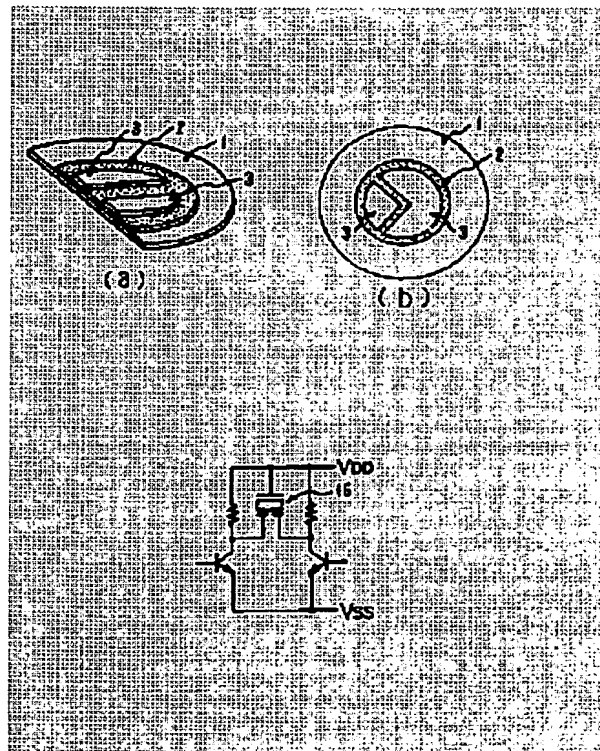
**Publication number:** JP60223300  
**Publication date:** 1985-11-07  
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**Classification:**  
- international: **G10K9/122; G10K9/00;** (IPC1-7):  
G10K9/12; H04R17/10  
- european: G10K9/122  
**Application number:** JP19840079149 19840419  
**Priority number(s):** JP19840079149 19840419

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### Abstract of JP60223300

**PURPOSE:** To improve the sound quality by bonding a piezoelectric member containing different electrodes to a common diaphragm and driving these different electrodes with different frequencies.

**CONSTITUTION:** A common diaphragm 1 is used as an electrode at one side, and two electrodes 3 are formed on a piezoelectric member 2 bonded to the diaphragm 1. This diaphragm 1 of a piezoelectric buzzer 16 is set at a VDD level, and both electrodes 3 are driven by the signals given from a single frequency generating system respectively. Two acoustic signals having different frequencies are mixed audibly by the diaphragm 1. In such a way, the sound quality is improved.



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